



# National Weather Service

## Storm Data and Unusual Weather Phenomena



February 1997

February 199

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>MICHIGAN, East</u></b>									
<b>MIZ076</b>	<b>Wayne</b>								
	<b>21</b>	<b>0100EST</b>			<b>0</b>	<b>0</b>			<b>Flood</b>
	<b>23</b>	<b>1200EST</b>							
The Middle Rouge River at Garden City went above its 7.0 foot flood stage at 1 am on the 21st. The river crested at 8.8 feet at 2 am on the 22d, and fell back below flood stage at noon EST on the 23rd.									
<b>MIZ070</b>	<b>Macomb</b>								
	<b>21</b>	<b>0500EST</b>			<b>0</b>	<b>0</b>			<b>Flood</b>
		<b>1000EST</b>							
The Clinton river at Fraser went above its 16.0 foot flood stage at 5 am EST on the 21st. The river crested at 16.1 feet at 6 am EST on the 21st and fell back below flood stage at 10 am EST on the 21st.									
<b>MIZ075</b>	<b>Washtenaw</b>								
	<b>21</b>	<b>0600EST</b>			<b>0</b>	<b>0</b>			<b>Flood</b>
	<b>23</b>	<b>1000EST</b>							
The Saline River at Saline went above its 10.0 foot flood stage at 6 am EST on the 21st. The river crested at 12.6 feet at 6 pm EST on the 21st, and fell back below flood stage at 10 am EST on the 23rd.									
<b>MIZ061</b>	<b>Genesee</b>								
	<b>21</b>	<b>0600EST</b>			<b>0</b>	<b>0</b>			<b>Flood</b>
	<b>24</b>	<b>1100EST</b>							
The Kearsley Creek near Davison went above its 8.0 foot flood stage at 6 am EST on the 21st. The river crested at 10.5 feet at 3 am EST on the 22d, and fell back below flood stage at 11 am EST on the 24th.									
<b>MIZ053</b>	<b>Saginaw</b>								
	<b>21</b>	<b>0900EST</b>			<b>0</b>	<b>0</b>			<b>Flood</b>
	<b>25</b>	<b>0900EST</b>							
The Cass River at Frankenmuth went above its 17.0 foot flood stage at 9 am EST on the 21st. The river crested at 23.6 feet at 6 pm on the 22d, and fell below flood stage at 9 am EST on the 25th.									
<b>MIZ060</b>	<b>Shiawassee</b>								
	<b>21</b>	<b>1000EST</b>			<b>0</b>	<b>0</b>			<b>Flood</b>
	<b>22</b>	<b>1700EST</b>							
The Shiawassee River at Owosso went above its 7.0 foot flood stage at 10 am EST on the 21st. The river crested at 8.0 feet at 2 am EST on the 22d, and fell back below flood stage at 5 pm EST on the 22d.									
<b>Bay County Countywide</b>	<b>21</b>	<b>1200EST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		<b>2000EST</b>							
<b>Midland County Countywide</b>	<b>21</b>	<b>1200EST</b>			<b>0</b>	<b>0</b>			<b>Flash Flood</b>
		<b>2000EST</b>							
<b>Saginaw County Countywide</b>	<b>21</b>	<b>1200EST</b>			<b>0</b>	<b>0</b>	<b>50K</b>		<b>Flash Flood</b>
		<b>2000EST</b>							



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					Killed	Injured	Property Crops	

### MICHIGAN, East

#### **Tuscola County**

Countywide	21	1200EST 2000EST			0	0	50K	Flash Flood
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#### **Huron County**

Countywide	21	1200EST 2000EST			0	0	50K	Flash Flood
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#### **Sanilac County**

Countywide	21	1200EST 2000EST			0	0		Flash Flood
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#### **MIZ082**

##### **Lenawee**

21	1300EST		0	0			Flood
25	0900EST						

The River Raisin at Tecumseh went above its 9.0 foot flood stage at 1 pm EST on the 21st. The river crested at 10.0 feet at 6 am EST on the 22d, and fell below flood stage at 9 am EST on the 25th.

#### **MIZ076**

##### **Wayne**

21	1400EST		0	0			Flood
22	0100EST						

The Lower Rouge River at Inkster went above its 10.0 foot flood stage at 2 pm EST on the 21st. The river crested at 10.1 feet at 3 pm EST on the 21st, and fell back below flood stage at 1 am EST on the 22d.

#### **MIZ076**

##### **Wayne**

21	1700EST		0	0			Flood
22	0200EST						

The Rouge River at Detroit went above its 15.0 foot flood stage at 5 pm EST on the 21st. The river crested at 15.2 feet at 9 pm EST on the 21st, and fell back below flood stage at 2 am EST on the 22d.

#### **MIZ054**

##### **Tuscola**

21	1700EST		0	0			Flood
23	0100EST						

The Cass River at Cass City went above its 14.0 foot flood stage at 5 pm EST on the 21st. The river crested at 15.6 feet at 3 am EST on the 22d, and fell back below flood stage at 1 am EST on the 23rd.

#### **MIZ049**

##### **Huron**

21	2000EST		0	0			Flood
23	2000EST						

#### **MIZ054**

##### **Tuscola**

21	2100EST		0	0	25K		Flood
24	0600EST						

The Cass River at Vassar went above its 14.0 foot flood stage at 9 pm on the 21st. The river crested at 18.2 feet at 6 pm EST on the 22d, and fell back below flood stage at 6 am EST on the 24th.

#### **MIZ082**

##### **Lenawee**

22	0200EST		0	0			Flood
24	2100EST						

The River Raisin at Adrian went above its 11.0 foot flood stage



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### MICHIGAN, East

at 2 am EST on the 22d. The river crested at 12.7 feet at 3 pm EST on the 23rd, and fell back below flood stage at 9 pm EST on the 24th.

MIZ053

#### **Saginaw**

**22 1600EST**  
**26 1100EST**

**0 0**

**Flood**

The Saginaw River at Saginaw went above its 19.0 foot flood stage at 4 pm EST on the 22d. The river crested at 20.7 feet at 1 am EST on the 23rd, and fell back below flood stage at 11 am EST on the 26th.

Low pressure tracked from Missouri northeast across southern lower Michigan on the 21st. The combination of heavy rain, melting snow and frozen ground produced widespread flooding. Precipitation amounts from late on the 20th through late on the 21st ranged from 1 to 2 inches from the Flint area south through Detroit to the Ohio state-line. Farther north, precipitation amounts of 2 to over 3 inches occurred from the Saginaw Valley to the Thumb region. Some of the highest totals included 3.10 inches at Saginaw, 2.88 inches at Vassar and 2.83 inches at Saint Charles and Essexville. The rain changed to snow before ending north of Detroit, with 3 to 6 inches accumulating across the Saginaw Valley and the northern part of the Thumb.

Some of the heaviest damage from the flood occurred in northern and western Huron county. In the village of Sebewaing, the Sebewaing river overflowed its banks on the 22d and 23rd, causing the evacuation of residents in the Pitcher Subdivision. Also, the Bay Shore summer camp ground was heavily damaged, with estimated losses of several thousand dollars. In Caseville, 20 homeowners were evacuated early on the 23rd. In Vassar, the Cass river was above flood stage from late on the 21st through early on the 24th, submerging part of the downtown area. Widespread damage to roads was reported throughout the Saginaw Valley and northern Thumb areas on the 21st.

MIZ076

#### **Wayne**

**27 0100EST**  
**28 1800EST**

**0 0**

**Flood**

The Middle Rouge River at Garden City went above its 7.0 foot flood stage at 1 am EST on the 27th. The river crested at 8.1 feet at 11 pm EST on the 27th, and fell back below flood stage at 6 pm EST on the 28th.

MIZ061

#### **Genesee**

**27 0800EST**  
**28 1800EST**

**0 0**

**Flood**

The Kearsley Creek at Davison went above its 8.0 foot flood stage at 8 am EST on the 27th. The river crested at 9.1 feet at 11 pm EST on the 27th, then fell back below flood stage at 6 pm EST on the 28th.

MIZ047>049-053>055-  
060>063-068>070-  
075>076-082>083

**Midland - Bay - Huron - Saginaw - Tuscola - Sanilac - Shiawassee - Genesee - Lapeer - St. Clair - Livingston - Oakland - Macomb - Washtenaw - Wayne - Lenawee - Monroe**

**27 0800EST**  
**1500EST**

**0 0**

**20K**

**High Wind (G55)**

Strong winds developed during the morning of the 27th in the wake of low pressure tracking off to the east. Peak winds reached 59 mph at Detroit's metro airport. Large trees were toppled in Monroe county, and scaffolding crashed down onto two parked cars in downtown Port Huron, in Saint Clair county. In Oakland county, 4500 Detroit Edison customers reported



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### MICHIGAN, East

power outages, as tree branches and power lines were knocked down by the winds.

**MIZ082**

#### **Lenawee**

**27 1100EST**  
**04 0900EST**

**0 0**

**Flood**

The Raisin River at Tecumseh went above its 9.0 foot flood stage at 1100 am EST on the 27th. The river crested at 9.7 feet at 10 am EST on March 2, and fell back below flood stage at 9 am EST March 4th.

**MIZ070**

#### **Macomb**

**27 1300EST**  
**28 1200EST**

**0 0**

**Flood**

The Clinton river near Fraser went above its 16.0 foot flood stage at 1 pm EST on the 27th. The river crested at 17.0 feet at 10 am on the 28th, then fell back below flood stage at noon EST on the 28th.

**MIZ075**

#### **Washtenaw**

**27 1600EST**  
**28 2100EST**

**0 0**

**Flood**

The Saline River at Saline went above its 10.0 foot flood stage at 4 pm EST on the 27th. The river crested at 10.7 feet at noon EST on the 28th, and fell back below flood stage at 9 pm EST on the 28th.

**MIZ082**

#### **Lenawee**

**27 1800EST**  
**02 0500EST**

**0 0**

**Flood**

The Raisin River near Adrian went above its 11.0 foot flood stage at 6 pm EST on the 27th. The river crested at 11.9 feet at 11 pm EST on the 28th, and fell back below flood stage at 5 am EST on March 2d.

**MIZ076**

#### **Wayne**

**27 2000EST**  
**28 1100EST**

**0 0**

**Flood**

The Lower Rouge River at Inkster went above its 10 foot flood stage at 8 pm EST on the 27th. The river crested at 11.0 feet at 2 am EST on the 28th, then fell back below flood stage at 11 am EST on the 28th.

**MIZ061**

#### **Genesee**

**27 2100EST**  
**28 0400EST**

**0 0**

**Flood**

The Flint river at Flint reached its 11.0 foot flood stage at 9 pm EST on the 27th. The river remained at 11.0 feet until 4 am EST on the 28th, before falling back below flood stage.

**MIZ060**

#### **Shiawassee**

**27 2300EST**  
**28 0400EST**

**0 0**

**Flood**

The Shiawassee River at Owosso went above its 7.0 foot flood stage at 11 pm EST on the 27th. The river remained at 7.0 feet until 4 am EST on the 28th, before falling back below flood stage.

Rain developed during the afternoon on the 26th and continued through the morning on the 27th as low pressure tracked northeast from the central plains across central Michigan. Rainfall amounts ranged from 1.00 to 1.50 inches from the Detroit area



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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

### MICHIGAN, East

south to the Ohio state-line. The ground was already saturated and rivers were running near bankfull from heavy rains just a few days previously. As a result, some river flooding occurred.